

Title (en)

METHOD AND APPARATUS FOR ENCODING RATE DETERMINATION IN A COMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER KODIERRATE EINES KOMMUNIKATIONSSYSTEMS

Title (fr)

PROCEDE ET APPAREIL DE DETERMINATION DE LA CADENCE DE CODAGE DANS UN SYSTEME DE COMMUNICATION

Publication

**EP 1050123 A4 20040512 (EN)**

Application

**EP 99903364 A 19990126**

Priority

- US 9901531 W 19990126
- US 1342198 A 19980126

Abstract (en)

[origin: WO9938280A1] A method and apparatus for determining an encoding rate associated with a received signal (12), where the method includes the steps of demodulating in a demodulator (80) to produce a series of metrics (22) representing energies of a series of data symbols carried by received signal (12); decoding in a decoder (20) series of metrics (22) to produce a set of total metrics (TM) (90) corresponding to a set of possible encoding rates; normalizing in a TM normalizer (28) set of TM (90) to produce a corresponding set of normalized TM (23); and determining the encoding rate in a rate determination (24) based on set of normalized TM (23). The normalizing step in TM normalizer (28) includes multiplying a set of effective finger counts (19) by a constant (410) to generate a corresponding set of numbers (420); and subtracting numbers (420) from associatig TM (90) to produce normalized TM (23).

IPC 1-7

**H04L 1/00**

IPC 8 full level

**H04L 29/08** (2006.01); **H04B 1/707** (2011.01); **H04B 7/26** (2006.01); **H04L 1/00** (2006.01); **H04W 28/22** (2009.01)

CPC (source: EP KR US)

**H04B 1/707** (2013.01 - EP US); **H04B 7/264** (2013.01 - EP US); **H04B 15/00** (2013.01 - KR); **H04L 1/0046** (2013.01 - EP US); **H04L 1/0054** (2013.01 - EP US)

Citation (search report)

- [X] EP 0817440 A2 19980107 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [X] EP 0763902 A1 19970319 - NOKIA MOBILE PHONES LTD [FI]
- See references of WO 9938280A1

Designated contracting state (EPC)

DE FI FR GB IT SE

DOCDB simple family (publication)

**WO 9938280 A1 19990729**; BR 9907244 A 20001017; DE 69931143 D1 20060608; DE 69931143 T2 20060928; EP 1050123 A1 20001108; EP 1050123 A4 20040512; EP 1050123 B1 20060503; JP 2002502144 A 20020122; KR 100377071 B1 20030326; KR 20010034359 A 20010425; US 5974079 A 19991026

DOCDB simple family (application)

**US 9901531 W 19990126**; BR 9907244 A 19990126; DE 69931143 T 19990126; EP 99903364 A 19990126; JP 2000529055 A 19990126; KR 20007008100 A 20000725; US 1342198 A 19980126